

COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

EXTRACTOR, ELECTRICAL CARD, METAL, NON-LOCKING, SINGLE ACTION,
FOR .063, .094, AND .125 INCH THICK CIRCUIT CARD ASSEMBLIES

The General Services Administration has authorized the use of this
commercial item description for all federal agencies.

The complete requirements for procuring extractors described herein shall consist of this document and the latest
issue in effect of [A-A-59832](#).

CLASSIFICATION/PART IDENTIFICATION NUMBER (PIN). This commercial item description (CID) specification
sheet uses a classification system which is included in the Part Identification Number (PIN) as shown in the following
example (see [NOTES](#)).

<u>AA59832</u>	<u>/04</u>	<u>U</u>	<u>*</u>	<u>7</u>	<u>P</u>	<u>C</u>
CID number	Applicable CID sheet	Configuration (see table I)	Slot width (see table I)	Material	Finish	Color

Example: AA59832/04UT7PC is the PIN for a medium length stainless steel extractor designed for mounting on a
circuit card assembly with a printed board thickness of .094 inch (2.4 mm) in width. The corrosion protection applied
to the extractor material is passivate (clear).

SALIENT CHARACTERISTICS.

Performance. Extractors shall be capable of injecting and removing the circuit card assembly from its installed
position.

Interface and physical dimensions. The extractors supplied to this CID specification sheet shall be as specified
herein and meet the general requirements specified in CID [A-A-59832](#).

Configuration. The configuration of a extractor shall be as specified in [table I](#) and on [figure 1](#).

Slot width. The available slot widths needed to accommodate various printed board thicknesses for the extractors
covered by this CID specification sheet are specified in [table I](#).

Material. The extractor material shall be stainless steel as specified in [A-A-59832](#). The material designator shall be
a "7" as specified in [A-A-59832](#).

Finish. The finish designator shall be as specified in [A-A-59832](#). The only finish available for this CID specification
sheet is "P" (passivate).

Color. The color designator shall be as specified in [A-A-59832](#). The only color available for this CID specification
sheet is "C" (clear).

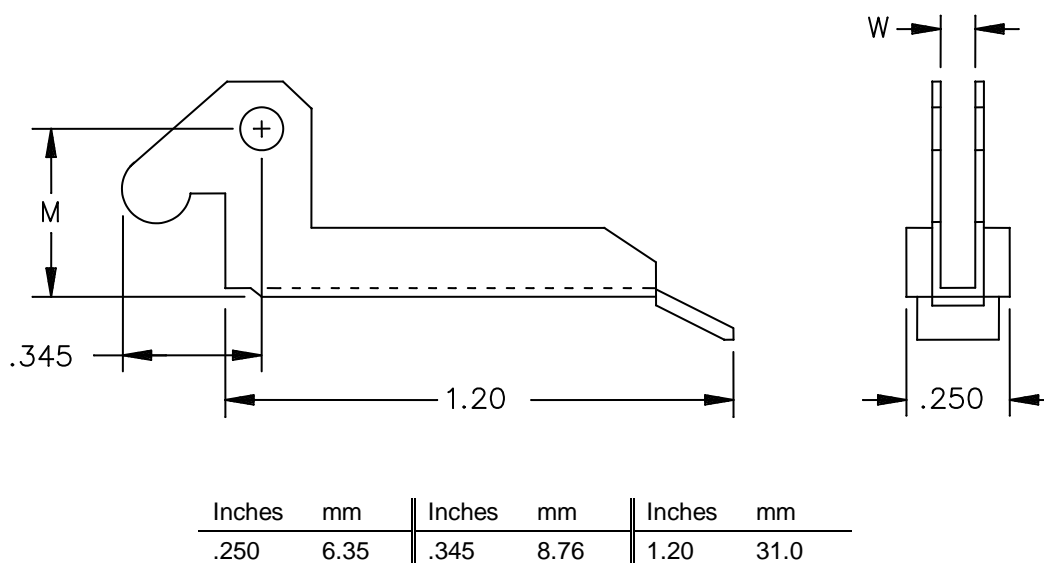
Roll pin. A stainless steel roll pin is furnished with each extractor. The roll pin is .09375 inch (2.38 mm) diameter by .3125 inch (7.9 mm) long.

TABLE I. Configurations and dimensions. ^{1/}

Configuration	Slot width designator	Slot width Dimension "W" ^{2/} Inch (mm)	Accommodates printed board thickness Inch (mm)	Mounting Dimension "M" Inch (mm)
U	S	.075 (1.91)	.063 (1.6)	.40 (10.2)
U	T	.110 (2.79)	.094 (2.4)	.39 (9.9)
U	E	.140 (3.56)	.125 (3.2)	.38 (9.7)

^{1/} Dimensions are in inches. Millimeters, in parenthesis, are given for general information only.

^{2/} Tolerance is +.010, −.000 inch (+0.25, −0.000 mm).

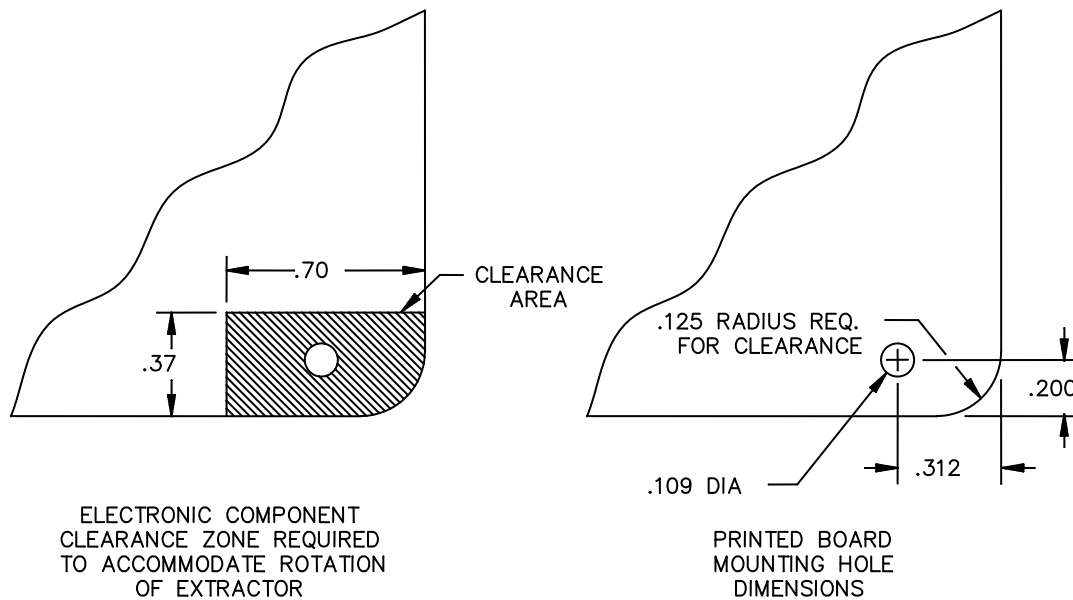


NOTES:

1. Dimensions are in inches. Millimeter equivalents are given for general information only.
2. Unless otherwise specified, tolerances are ± 0.02 inch (0.51 mm) for two place decimals and ± 0.010 inch (0.25 mm) for three place decimals.

FIGURE 1. Configuration U dimensions.

Circuit card assembly printed board. The circuit card assembly should be designed so that electronic components in the area around the ejector mounting hole have sufficient clearance for ejector rotation as shown on figure 2. It is recommended that the outer edge of the circuit card assembly be flush with the end of the card guide for the ejector to obtain optimum leverage. A single ejector is recommended for circuit card assemblies up to 5 inches (127 mm) in width. For circuit card assemblies over 5 inches (127 mm) in width or when using an electrical connector with more than 100 contacts, two ejectors mounted on each circuit card assembly is recommended.



Inches	mm	Inches	mm	Inches	mm
.109	2.77	.312	7.92	.70	17.8
.200	5.08	.37	9.4		

NOTES:

1. Dimensions are in inches. Millimeter equivalents are given for general information only.
2. Unless otherwise specified, tolerances are ± 0.02 inch (0.51 mm) for two place decimals and ± 0.010 inch (0.25 mm) for three place decimals.

FIGURE 2 Circuit card assembly printed board mounting dimensions.

NOTES.

PIN. The PIN should be used for Government purposes to buy commercial products to this CID specification sheet. See the classification section for PIN format example.

Source of documents.

Commercial Item Description

A-A-59832 – Extractor, Electrical Card, Metal, General Requirements For.

(Copies of these documents are available online at <https://assist.daps.dla.mil/quicksearch/> or <https://assist.daps.dla.mil/quicksearch/> or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

Ordering data. Ordering data is as specified in [A-A-59832](#).

Commercial products. As part of the market analysis and research effort, this CID specification sheet was coordinated with the following manufacturers of commercial products. At the time of CID specification sheet preparation and coordination, these manufacturers were known to have commercial products that would meet the requirements of this CID specification sheet. (NOTE: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to only the manufacturers shown.)

<u>Manufacturer CAGE</u>	<u>Manufacturer name and address</u>	<u>Manufacturer contact information</u>
07556	Unitrack Industries, Inc. 967 E. Masten Circle Milford, DE 19963-1085	Telephone: (302) 424-5050 Facsimile: (302) 424-5055 Electronic mail: unitrack@unitrackind.com URL: www.unitrackind.com

Part number (P/N) supersession data. This CID specification sheet PINs supersede the following manufacturer's P/Ns as shown in table II. This information is being provided to assist in reducing proliferation in the Government inventory system.

TABLE II. Commercial part number supersession data.

PIN designator AA59832/4	Vendor similar designator or type part number ^{1/} CAGE 07556
US7PC	L1000-6-SS
UT7PC	L1000-9-SS
UE7PC	L1000-12-SS

^{1/} The manufacturer's P/N shall not be used for procurement to the requirements of this CID specification sheet. At the time of preparation of this CID specification sheet, the aforementioned commercial products were reviewed and could be replaced by the CID PIN shown. For actual part marking requirements, see the marking paragraph in [A-A-59832](#).

MILITARY INTERESTS:

Custodians:
Army – CR
Navy – EC
Air Force – 85
DLA – CC

Review Activity:
Air Force – 99

CIVIL AGENCY COORDINATING ACTIVITY:

GSA – FAS

Preparing Activity:
DLA – CC

Project 5998-2009-049

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.daps.dla.mil/quicksearch/>.